



CITY SERVICES • 1200 LOCUST STREET • BOONVILLE, MISSOURI 65233-1358 • 660-882-5257 • FAX 660-882-8218

November 21, 2013

Missouri Department of Transportation
Central District
Attn: Dion Knipp
1511 Missouri Blvd
P. O. Box 718
Jefferson City, MO 65102

I do hereby certify that in accordance with the requirements of 23 CFR 635.411(a)(2), this patented or proprietary item is essential for synchronization with existing highway facilities.


State Design Engineer

Re: City of Boonville, STP-1300 (507); Street Light Public Interest Finding


Dear Mr. Knipp:

This letter serves to provide amplifying information to the City of Boonville Public Interest Finding letter dated November 12, 2013.

There are three specific and significant public benefits with Ameren Missouri providing the street lights for this project:

1. The Aspen post-top style street light supplied by Ameren Missouri will match and provide aesthetic continuity to the existing street lights installed along intersecting Main Street.
2. The street lights supplied and installed by Ameren Missouri are eligible for and will be included in Ameren's Energy and Maintenance program. The City of Boonville uses that program for ongoing maintenance by Ameren Missouri of street lights.
3. The cost of the 27 street lights quoted by Ameren Missouri is \$56,042.09. The Engineer's estimate for competitively bid lights was \$123,960.00.

If you have any questions, please contact me at 660-882-5257 or mcauthon@boonville-mo.org.

Sincerely,

M. L. Cauthon III
Director of Public Works

CC: Scott Vogler, MECO Engineering Co., Inc



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November 12, 2013

Dion Knipp
MoDOT
PO Box 178
Jefferson City, MO 65102

RE: Boonville STP 1300(507)
Sidewalk, Cooper County
Public Interest Finding

Dear Mr. Knipp:

With reference to the above mentioned project, we request approval of a finding in the public interest to use 27 municipal street lights of the Aspen post-top style supplied by Ameren Missouri. Ameren will supply the street lights, install them where designated with Ameren work force, then maintain them for the city. The cost proposed by Ameren is \$56,042.09. The Engineer estimated cost if competitively bid was \$123,960.00.

As can be seen, if the city were to include this work in the bid packet, the city would be paying more money for the same amount of lights. The City would then have to pay for maintaining the lights in the future.

It is our conclusion that it is in the public's interest to have Ameren Missouri supply, install and maintain these lights.

Approval of this request at your earliest convenience would be appreciated. This project is scheduled for a Spring 2014 bid opening.

Sincerely,

M. L. Cauthon, III
Public Works Director

SEV/MLC/drs



August 20, 2013

MECO Engineering Company, Inc
1121 Main St
Boonville, MO 65233
ATTN: Roger Linneman, Project Manager

RE: Boonville Street Light Project

Dear Roger,

The cost estimate for installing, maintaining, and providing electrical service to 27 municipal street lights of the Aspen post-top style is \$56,042.09

This total cost is 65% material and 35% labor.

Please let me know if you have questions or concerns.

Best Regards,

A handwritten signature in cursive script that reads "Terri Smith".

Terri Smith
Specialist, Customer Service
Ameren Missouri
301 Second St
Boonville, MO 65233

301 Second Street

Boonville, MO 65233

AmerenMissouri.com

ELECTRICAL ESTIMATE**MECO Engineering Co. Inc.****CITY OF BOONVILLE, MO
SIDEWALK ENHANCEMENT****JOB NO. 454-213/235****BLOCK 1 - 1st TO 2nd STREET**

<u>ITEM</u>	<u>UNITS</u>	<u>QUANTITY</u>	<u>UNIT COST</u>	<u>TOTAL</u>
<u>ELECTRICAL COSTS</u>				
SINGLE LIGHT & POLE	EA	5	\$2,250.00	\$11,250.00
CONCRETE POLE BASE	EA	5	\$450.00	\$2,250.00
LIGHT/POLE INSTALLATION	EA	5	\$250.00	\$1,250.00
BANNER ARM	EA	5	\$135.00	\$675.00
3#4 WIRE	LF	975	\$6.85	\$6,678.75
ELECTRICAL SERVICE/METER	EA	1	\$1,500.00	\$1,500.00
NEMA 3R ENCLOSURE	EA	1	\$500.00	\$500.00
100A LOAD CENTER	EA	1	\$750.00	\$750.00
SPST SWITCH	EA	1	\$100.00	\$100.00
TIME CLOCK	EA	1	\$150.00	\$150.00
PE CELL	EA	1	\$75.00	\$75.00
LIGHTING CONTACTOR	EA	1	\$100.00	\$100.00
EXIST. COBRA HEAD LIGHT DEMO	EA	1	\$250.00	<u>\$250.00</u>
				\$25,528.75

BLOCK 2 - 2nd TO 3rd

<u>ITEM</u>	<u>UNITS</u>	<u>QUANTITY</u>	<u>UNIT COST</u>	<u>TOTAL</u>
<u>ELECTRICAL COSTS</u>				
SINGLE LIGHT & POLE	EA	8	\$2,250.00	\$18,000.00
CONCRETE POLE BASE	EA	8	\$450.00	\$3,600.00
LIGHT/POLE INSTALLATION	EA	8	\$250.00	\$2,000.00
BANNER ARM	EA	8	\$135.00	\$1,080.00
3#4 WIRE	LF	975	\$6.85	\$6,678.75
ELECTRICAL SERVICE/METER	EA	1	\$1,500.00	\$1,500.00
NEMA 3R ENCLOSURE	EA	1	\$500.00	\$500.00
100A LOAD CENTER	EA	1	\$750.00	\$750.00
SPST SWITCH	EA	1	\$100.00	\$100.00
TIME CLOCK	EA	1	\$150.00	\$150.00
PE CELL	EA	1	\$75.00	\$75.00
LIGHTING CONTACTOR	EA	1	\$100.00	\$100.00
EXIST. COBRA HEAD LIGHT DEMO	EA	1	\$250.00	<u>\$250.00</u>
				\$34,783.75

BLOCK 3 - 3rd TO 4th

<u>ITEM</u>	<u>UNITS</u>	<u>QUANTITY</u>	<u>UNIT COST</u>	<u>TOTAL</u>
<u>ELECTRICAL COSTS</u>				
SINGLE LIGHT & POLE	EA	7	\$2,250.00	\$15,750.00
CONCRETE POLE BASE	EA	7	\$450.00	\$3,150.00
LIGHT/POLE INSTALLATION	EA	7	\$250.00	\$1,750.00
BANNER ARM	EA	7	\$135.00	\$945.00
3#4 WIRE	LF	975	\$6.85	\$6,678.75
ELECTRICAL SERVICE/METER	EA	1	\$1,500.00	\$1,500.00
NEMA 3R ENCLOSURE	EA	1	\$500.00	\$500.00
100A LOAD CENTER	EA	1	\$750.00	\$750.00
SPST SWITCH	EA	1	\$100.00	\$100.00
TIME CLOCK	EA	1	\$150.00	\$150.00
PE CELL	EA	1	\$75.00	\$75.00
LIGHTING CONTACTOR	EA	1	\$100.00	\$100.00
EXIST. COBRA HEAD LIGHT DEMO	EA	1	\$250.00	<u>\$250.00</u>
				\$31,698.75

BLOCK 4 - 4th TO MAIN ST.

<u>ITEM</u>	<u>UNITS</u>	<u>QUANTITY</u>	<u>UNIT COST</u>	<u>TOTAL</u>
<u>ELECTRICAL COSTS</u>				
SINGLE LIGHT & POLE	EA	7	\$2,250.00	\$15,750.00
CONCRETE POLE BASE	EA	7	\$450.00	\$3,150.00
LIGHT/POLE INSTALLATION	EA	7	\$250.00	\$1,750.00
BANNER ARM	EA	7	\$135.00	\$945.00
3#4 WIRE	LF	975	\$6.85	\$6,678.75
ELECTRICAL SERVICE/METER	EA	1	\$1,500.00	\$1,500.00
NEMA 3R ENCLOSURE	EA	1	\$500.00	\$500.00
100A LOAD CENTER	EA	1	\$750.00	\$750.00
SPST SWITCH	EA	1	\$100.00	\$100.00
TIME CLOCK	EA	1	\$150.00	\$150.00
PE CELL	EA	1	\$75.00	\$75.00
LIGHTING CONTACTOR	EA	1	\$100.00	\$100.00
EXIST. COBRA HEAD LIGHT DEMO	EA	2	\$250.00	<u>\$500.00</u>
				\$31,948.75

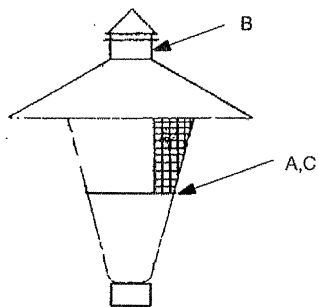
TOTAL**\$123,960.00**

OUTDOOR LIGHTING

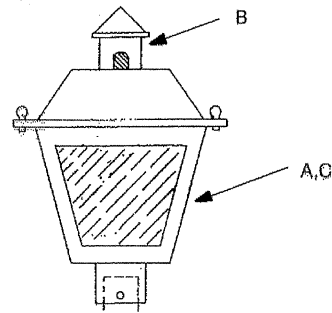
Luminaire Components – Post Top Installation

15 70 14 **

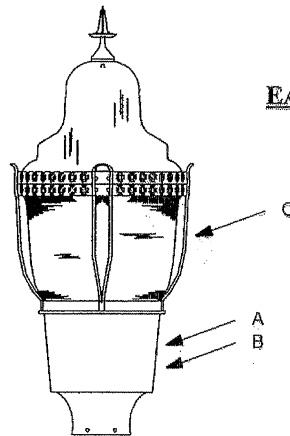
Sheet 1 of 2



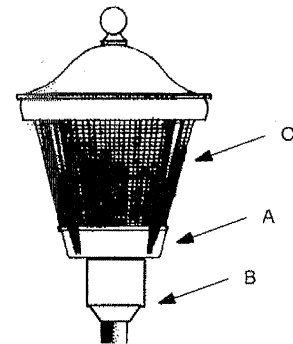
COLONIAL



EARLY AMERICAN



ASPEN



CONTEMPORARY

Notes:

1. Stk # 38 01 942 is no longer available from supplier
2. Stk # 38 01 961 is to replace Stk # 38 01 942.
3. Stock item is available in MO only.
4. Stock item is available in IL only.
5. Position luminaire to facilitate service from the street.
6. On Type III, align refractor with street side.
7. Face eye of photo-electric cell north.

OUTDOOR LIGHTING

Luminaire Components – Post Top Installation

15 70 14 **

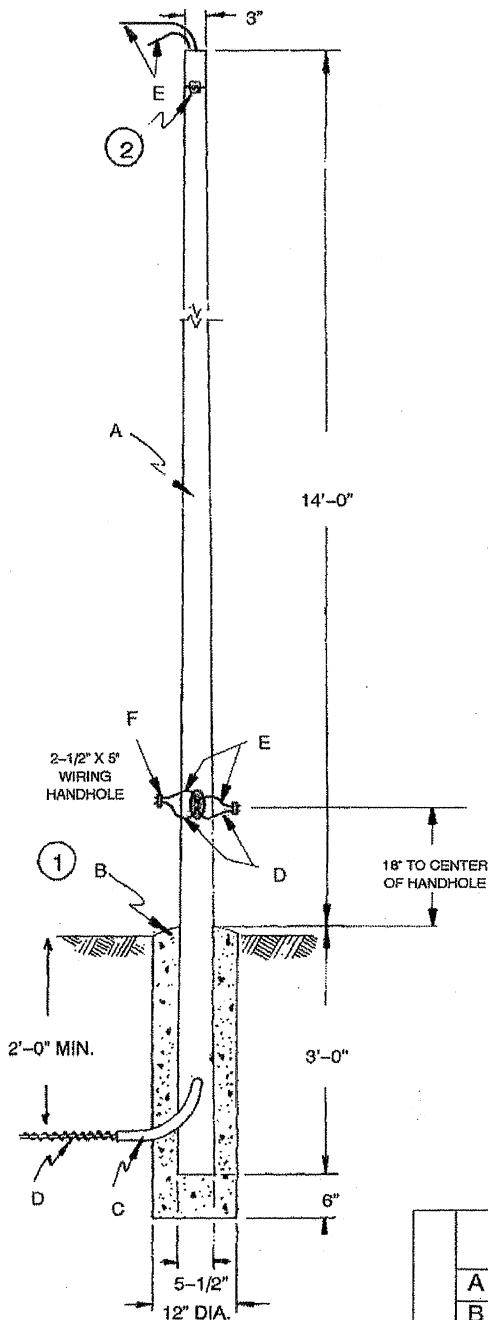
Sheet 2 of 2

		Std. / Stk. No.	Description	15 70 14 **	01	02	03	04	05	06	07	08	09	10
3	A	38 01 524	Colonial, 100W, HPS, Type III (MO)	1										
3		38 01 525	Colonial, 100W, HPS, Type V (MO)		1									
		38 01 517	Early American, 100W, HPS, Type III (ALL)			1								
3		38 01 518	Early American, 100W, HPS, Type V (MO)				1							
1,4		38 01 942	Early American, 175W, MH, Type III (IL)									1		
2,4		38 01 961	Early American, 150W, PMH, Type II (IL)										1	
3		38 01 513	Contemporary, 100W, HPS, Type III (MO)					1						
3		38 01 514	Contemporary, 100W, HPS, Type V (MO)						1					
3		38 01 584	Aspen, 100W, HPS, Type III (MO)							1				
3		38 01 585	Aspen, 100W, HPS, Type V (MO)								1			
	B	38 51 366	Switch, Photo Electric Cell	1	1	1	1	1	1	1	1	1	1	1
	C	26 55 260	Lamp, 100W, HPS	1	1	1	1	1	1	1	1	1		
		26 56 260	Lamp, 175W, MH										1	
		26 05 087	Lamp, 150W, PMH											1

OUTDOOR LIGHTING **Post Top Installation Fiberglass Pole** **14 Foot Mounting Height**

15 75 05 01

Sheet 1 of 1



NOTES:

1. Limestone screenings to be wetted and thoroughly tamped to provide solid compaction around the pole.
2. Generally only one tag per street light shall be installed. If more than one street light installed on the same pole, one tag per street light is required, and each tag should be installed on the same quadrant of the light. The tag should be installed visibly from the ground level but not reachable from public. See Dist. Std. 15 90 01 01 for more details.
3. In Missouri residential developments, the contractor will install 1-1/2 inch conduit to the pole site. Ameren will install the pole and the cable.
4. For fuse underground streetlight cable at pad mount transformer or pedestal, See Dist. Std. 52 00 01 **.

	Std. / Stk. No.	Description	15 75 05 01	Qty.
	A 38 01 526	Pole - FG, Black, w/hand hole		1
	B	Rock, Crushed Limestone Screening		200
	C 12 51 148	Conduit Poly 1"		2
@	D 18 07 252	Cable - Duplex #6 Al.		
	E 18 57 104	Cable, St. Lt., #10-2 conductor-Ft.		17
	F 17 01 116	Connector, Bolt/Set Screw, #4-2/0,3Pos.		2

**DISTRIBUTION
CONSTRUCTION STANDARDS**



ENG:WYW
REV. NO: 8
REV. DATE: 01/21/10

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